| li | nde | ex ( | of | Cla | ain | ns |  |
|----|-----|------|----|-----|-----|----|--|
|    |     |      |    |     |     |    |  |

| Application No.        | Applicant(s)       |
|------------------------|--------------------|
| 08/981,360             | KIRJAVAINEN ET AL. |
| Examiner               | Art Unit           |
| Christopher P Bruenjes | 1772               |

| , | Rejected | 1 | (Through numeral)<br>Cancelled |
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| N | Non-Elected  I Interference |
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| - | Interference                |

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|             |          |          |          |          | _            |          |          |          |          |   | ::::: |          |          | F               |          |          | _            |           |             |        | ]:::::I |       |            | <u> </u> |                 |              |          | <u> </u> | _        |          |           |   |
|-------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|---|-------|----------|----------|-----------------|----------|----------|--------------|-----------|-------------|--------|---------|-------|------------|----------|-----------------|--------------|----------|----------|----------|----------|-----------|---|
| Cla         | aim<br>I | h.       | 1        | т        | <u>. </u>    | ate      | 1        |          | _        |   |       | Cla      | um       | <del> </del>    |          | 1        | Dat          | e         |             |        |         | Cla   | aim        | ├-       |                 |              |          | Date     | •        |          |           | _ |
| Final       | Original | 3/10/05  |          |          |              |          |          |          |          |   |       | Final    | Original |                 |          |          |              |           |             |        |         | Final | Original   |          |                 |              |          |          |          |          |           |   |
|             | 1        | 7        | H        | $\dashv$ | +            | +        | ┪        |          | $\neg$   |   |       |          | 51       |                 | $\dashv$ | $\dashv$ | +            | T         | $\top$      | +      |         |       | 101        |          |                 |              |          |          |          | _        | $\dashv$  | _ |
|             | 2        | T        |          | 1        | 1            | T        | T        | 1        |          |   |       |          | 52       |                 |          |          | $\top$       | T         |             | +      |         |       | 102        | $\vdash$ | П               |              |          |          |          | $\dashv$ |           |   |
|             | 3        | T        |          |          | $\top$       |          | 一        | 一        |          |   |       |          | 53       |                 |          | T        | T            | П         |             |        |         |       | 103        |          |                 |              |          |          |          | ┪        | $\neg$    |   |
|             | 4        | Т        |          |          | $\Box$       |          | ╗        |          |          |   |       |          | 54       |                 |          |          |              |           |             |        |         |       | 104        |          |                 |              |          |          |          |          |           | Γ |
|             | 5        |          |          |          |              |          | $\Box$   |          |          |   |       |          | 55       |                 |          |          |              |           |             |        |         |       | 105        |          |                 |              |          |          |          |          |           |   |
|             | 6        | L        |          |          | $\perp$      |          | $\Box$   |          |          |   |       |          | 56       |                 |          |          |              |           |             |        |         |       | 106        |          |                 |              |          |          |          |          |           |   |
|             | 7        |          |          |          |              |          |          |          |          |   |       |          | 57       |                 |          |          |              |           |             |        |         |       | 107        | Ш        | Ш               |              |          |          |          |          |           |   |
|             | 8        |          |          | _        | 4            | _        | 4        | _        |          |   |       |          | 58       | Ш               | _        | $\perp$  | 4            |           |             | 4_     |         |       | 108        |          | Щ               |              |          |          |          | _        |           |   |
|             | 9        | L        | 4        | _        | 4            | _        |          |          | _        |   |       |          | 59       | Ш               |          |          | $\bot$       | $\sqcup$  |             |        |         |       | 109        |          | Ш               |              |          |          |          | $\dashv$ |           |   |
|             | 10       | 1        | $\Box$   | 4        | 4            | _        | _        | _        | _        |   |       |          | 60       | Ш               |          | _        | _            | $\sqcup$  |             | Щ.     |         |       | 110        |          |                 | _            |          |          |          | _        |           |   |
|             | 11       | 1        |          | _        | 4            | 4        | 4        | _        |          |   |       |          | 61       |                 |          | _        |              | $\vdash$  |             | 4_     |         |       | 111        | L_       | $\sqcup$        |              |          |          | $\Box$   | $\dashv$ | _         | _ |
| <u> </u>    | 12       | V        | $\vdash$ | +        | +            | +        | $\dashv$ | $\dashv$ | -        |   |       | $\vdash$ | 62       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | +            | $\vdash$  |             |        |         |       | 112        | $\vdash$ | $\sqcup$        | Ш            | ш        | Ш        | Щ        | $\dashv$ | 4         | _ |
|             | 18       |          | $\dashv$ | +        | +            | $\dashv$ | -        | $\dashv$ |          |   |       |          | 63       | $\vdash$        | _        |          |              | +         |             | -      |         |       | 113        |          | $\vdash \vdash$ |              | -        |          |          | $\dashv$ |           | _ |
| <u> </u>    | 14       | ./       | $\vdash$ | +        | +            | +        | $\dashv$ |          |          |   |       | <b> </b> | 64<br>65 | $\vdash$        | $\dashv$ | +        | +            | $\vdash$  | +           | +      |         |       | 114<br>115 | -        |                 | $\vdash$     |          | Н        | $\vdash$ | $\dashv$ | -         | _ |
| $\vdash$    | 16       | N        | $\vdash$ | +        | +            | +        | $\dashv$ | $\dashv$ |          | _ |       | <b></b>  | 66       | $\vdash$        | -+       | +        | +            | $\vdash$  | +           | +      |         |       | 116        | ├        |                 |              | $\vdash$ | $\vdash$ | $\dashv$ |          |           |   |
|             |          | 7        | $\dashv$ | $\dashv$ | $\dashv$     | +        | +        | $\dashv$ |          |   |       | <u> </u> | 67       | $\vdash$        | -        | +        | +-           | +         | +           | +      |         |       | 117        | -        | $\vdash$        |              |          | Н        | $\vdash$ | -        |           | _ |
|             | 18       | <u>~</u> |          | +        | $\dashv$     | $\dashv$ | +        | -        | -        |   |       |          | 68       |                 |          | $\dashv$ | +            | ╁╌┤       |             | +-     |         |       | 118        | $\vdash$ | $\vdash$        | -            |          | Н        | Н        |          |           | _ |
| <u> </u>    | 19       | Ť        | $\dashv$ | $\dashv$ | 十            | $\dashv$ | +        | $\dashv$ | $\dashv$ |   |       |          | 69       | $\vdash$        | -        | -+-      | +-           | +         |             | +-     |         |       | 119        | $\vdash$ | $\vdash$        | Н            |          | Н        |          |          | -         | _ |
|             | 20       | +        |          | $\dashv$ | $\dashv$     | +        | 7        | $\dashv$ |          |   |       | -        | 70       | H               | $\dashv$ | $\dashv$ |              | $\vdash$  |             | +-     |         |       | 120        | $\vdash$ | Н               |              |          | Н        | Н        | $\dashv$ | _         |   |
|             | 21       |          | П        | $\top$   | $\top$       | $\dashv$ | 寸        | 寸        | $\neg$   |   |       |          | 71       |                 | Ħ        | 1        | 1            | $\Box$    |             |        |         |       | 121        | _        | $\vdash$        |              |          | Н        |          | -        | -         |   |
|             | 22       | 7        |          | 1        | T            | T        | 1        |          |          |   |       |          | 72       | H               | $\dashv$ | $\top$   | 1            | $\Box$    |             |        |         |       | 122        |          |                 |              |          |          | П        | 寸        |           |   |
|             | 23       |          |          |          | 十            |          | T        | $\neg$   |          | _ |       |          | 73       |                 |          | T        | T            | Ħ         |             |        |         |       | 123        |          |                 |              |          |          |          | 一        | $\exists$ |   |
|             | 24       |          |          |          |              |          |          |          |          |   |       |          | 74       |                 |          |          |              |           |             |        |         |       | 124        |          |                 |              |          |          |          |          |           |   |
|             | 25       |          |          |          |              |          |          |          |          |   |       |          | 75       |                 |          |          | $\perp$      |           |             |        |         |       | 125        |          |                 |              |          |          |          |          |           |   |
|             | 26       |          |          |          |              |          |          |          |          |   |       |          | 76       |                 |          |          |              |           |             |        |         |       | 126        |          |                 |              |          |          |          |          |           |   |
|             | 27       |          |          |          |              |          |          | $\Box$   |          |   |       |          | 77       |                 |          |          |              | Ш         |             |        |         |       | 127        |          | Ш               |              |          |          |          |          |           |   |
| <u> </u>    | 28       |          |          |          |              |          | _        | _        |          |   |       |          | 78       |                 |          |          | $\perp$      | Ш         |             |        |         |       | 128        | L        | Ш               |              |          |          |          |          |           | Ĺ |
|             | 29       |          |          | 4        | 4            | $\perp$  | _        | _        |          |   |       |          | 79       | Щ               | _        |          |              | Ш         |             | ┷      |         |       | 129        |          | Щ               |              |          |          |          |          | _         |   |
|             | 30       |          |          | $\perp$  | 4            | _        |          | $\dashv$ | _        |   |       |          | 80       | Ш               | 4        | 4        | $\bot$       | $\perp$   | $\perp$     | _      |         |       | 130        |          | Ш               |              |          |          | $\Box$   | _        | _         | _ |
|             | 31       |          |          | _        | _            | $\dashv$ | _        |          |          |   |       |          | 81       | Ш               | $\dashv$ | $\perp$  | $\bot$       | $\perp$   |             |        |         |       | 131        |          | Ш               |              |          |          | $\Box$   | _        | _         |   |
|             | 32       |          | -        | $\dashv$ | +            | $\dashv$ | 4        |          |          |   |       |          | 82       | Ш               | $\dashv$ | +        | $\bot$       | $\sqcup$  |             | 4-     |         | _     | 132        |          | H               |              |          |          |          | $\dashv$ | _         | _ |
|             | 33       |          |          | +        | +            | $\dashv$ | $\dashv$ | -        |          |   |       |          | 83       | $\vdash$        | $\dashv$ | +        | +            | $\sqcup$  | -           | +-     |         |       | 133        | $\vdash$ | dash            | $\square$    |          | Ш        | $\sqcup$ | $\dashv$ | _         |   |
| $\vdash$    | 34<br>35 |          | $\dashv$ | +        | -            | +        | $\dashv$ | _        | -        |   |       |          | 84<br>85 | $\vdash$        | $\dashv$ | +        | +            | $\vdash$  | +           |        |         |       | 134        | $\vdash$ | $\vdash \vdash$ | $\vdash$     | $\dashv$ | $\vdash$ | $\vdash$ | +        | -         | _ |
|             | 36       |          |          | $\dashv$ | +            | +        | $\dashv$ | $\dashv$ |          |   |       |          | 86       | -               | $\dashv$ | +        | +            | $\vdash$  | +           | +      |         |       | 135<br>136 | $\vdash$ | $\vdash$        |              | $\vdash$ | Н        |          |          | -         | _ |
| <del></del> | 37       | -        | $\dashv$ | +        | +            | +        | $\dashv$ |          |          |   |       | -        | 87       | $\vdash$        | $\dashv$ | +        | +            | $\vdash$  | +           | +      |         |       | 137        | $\vdash$ | $\vdash \vdash$ | $\vdash$     | $\vdash$ | Н        |          | $\dashv$ | -         |   |
| <b></b>     | 38       |          | $\dashv$ | +        | +            | $\dashv$ | $\dashv$ | $\dashv$ |          |   |       | -        | 88       | H               | $\dashv$ | +        | +            | +         | +           | +      |         |       | 138        | $\vdash$ | $\vdash \vdash$ |              | $\vdash$ | $\vdash$ |          | $\dashv$ |           | _ |
|             | 39       |          | $\dashv$ | +        | +            | 十        | 7        | ┪        | $\dashv$ |   |       |          | 89       | Н               | $\dashv$ | +        | +            | + -       | $\dashv$    | +      |         |       | 139        | $\vdash$ | H               |              | $\vdash$ | H        |          | $\dashv$ | -         |   |
|             | 40       | T        |          | +        | +            | +        | $\dashv$ | ᅥ        | $\dashv$ | _ |       |          | 90       | Н               | $\dashv$ | +        | +            | $\forall$ | -           | +      |         |       | 140        | H        | H               |              | $\vdash$ | H        |          | $\dashv$ | $\dashv$  | _ |
|             | 41       |          | $\dashv$ | $\dashv$ | $\dagger$    | 十        | $\dashv$ | 7        |          |   |       |          | 91       | H               | $\dashv$ | $\top$   | +            | $\vdash$  | _           | 1      |         |       | 141        | $\vdash$ | $\vdash$        | $\vdash$     |          | Н        |          | $\dashv$ | $\dashv$  | _ |
|             | 42       |          | $\dashv$ | $\top$   | $\top$       | $\top$   | 7        | $\dashv$ | ┪        |   |       |          | 92       | П               | $\dashv$ | $\top$   | 1            |           | $\dashv$    | 1      |         |       | 142        | $\vdash$ | $\vdash$        | $\dashv$     |          | Н        |          | $\dashv$ | 一         |   |
|             | 43       |          |          |          | $\Box$       | $\top$   | T        |          |          |   |       |          | 93       | П               | $\neg$   | $\top$   | Т            | П         |             |        |         |       | 143        |          | П               |              |          |          |          | 1        | T         | _ |
|             | 44       |          |          | $\top$   | T            |          | 7        | 寸        | $\neg$   |   |       |          | 94       | П               | $\neg$   | $\top$   | $\top$       | $\sqcap$  | $\top$      |        |         |       | 144        |          |                 |              |          |          |          | _        | 寸         | _ |
|             | 45       |          |          |          | _            |          | _†       |          |          |   |       |          | 95       |                 |          |          |              | $\sqcap$  | $\neg \top$ | $\top$ |         |       | 145        |          | $\Box$          |              |          |          |          | $\neg$   | 寸         | _ |
|             | 46       |          |          |          | 1            | floor    | Ī        | J        |          |   |       |          | 96       |                 |          |          |              |           |             |        |         |       | 146        |          |                 |              |          |          |          |          | 1         |   |
|             | 47       |          |          |          | $oxed{\Box}$ | $\Box$   | $\Box$   |          | $\Box$   |   |       |          | 97       |                 |          |          | Ι            |           | $\bot$      |        |         |       | 147        |          |                 |              |          |          |          |          |           |   |
|             | 48       |          |          | $\Box$   |              |          | I        |          | $\Box$   |   |       |          | 98       | П               | $\Box$   |          | $oxed{\Box}$ |           | $\Box \Box$ |        |         |       | 148        |          | $\square$       |              |          |          |          |          | $\Box$    |   |
|             | 49       |          |          | I        |              |          |          | $\Box$   | $\Box$   |   |       |          | 99       |                 |          |          |              |           |             |        |         |       | 149        |          | Ш               |              |          |          |          |          |           | _ |
|             | 50       |          |          |          |              | $\perp$  | $\perp$  |          | [        |   |       |          | 100      | Ш               |          | $\Box$   |              |           |             |        |         | ]     | 150        |          | Ш               | $oxed{oxed}$ |          |          |          |          |           |   |